OIA-124/81
30 June 1981

MEMORANDUM FOR: Chief, Planning Management and Evaluation Staff, NFAC

STAT ATTENTION : [redacted]

SUBJECT : Moving OIA to the Headquarters Compound

1. During the past five years, there have been several written and oral communications between the Office of Imagery Analysis and Director, NFAC regarding the relocation of OIA to Headquarters. The most recent memo from the Director, OIA is attachment 1. Bruce Clarke agreed that there were distinct advantages to having OIA physically located with the other NFAC production offices. Also last fall, OIA's move to Headquarters was approved at EXCOM and sent to the Office of Logistics for
25X1 action. [redacted]

2. We have resurveyed OIA's future personnel, floorspace, and equipment requirements to determine their impact on the architectural design of a new Headquarters building or upon the existing Headquarters building. The survey reflects OIA's requirements for FYs 1987 and 2000.
25X1 [redacted]

Personnel and Space Requirements

25X9 3. OIA currently has [redacted] positions and occupies approximately
25X9 [redacted] square feet of floorspace. By FY 1987 we project that our work-
25X9 force will grow to [redacted]--an increase of 15 analytical and 10 manage-
rial/support positions--and require [redacted] square feet. These figures 25X9
25X9 are based on [redacted] square feet per imagery analyst to accommodate the additional analytical equipment necessary to exploit future collection systems; and the same proportional amount of floorspace currently occupied by OIA's management and support personnel. By FY 2000 we expect our personnel ceiling will reach [redacted] and that we will require 25X9
25X9 approximately [redacted] square feet of office space. We do not anticipate the need to increase the size of each analyst's work areas after 1987.
25X1 [redacted]

Computer Support

4. OIA relies on both NPIC and the Office of Data Processing for computer support. The NPIC computer support provides access to two primary data bases--the NPIC Data System which contains primarily installation-specific information and the Real Time Mensuration System which contains mission ephemeral data and computational routines required 25X1

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for photogrammetric support. The ODP support includes computational analysis, Office management files, the COMIREX Automated Management System and, within the next several years, SAFE. OIA will have approximately 120 terminals and five high speed printers on-line by FY 1987, and as many as 250 terminals and 10 high speed printers by FY 2000. 25X1

Floor Load, Environmental and Power Requirements

5. OIA's mensuration equipment has special structural and environmental requirements because of its weight; its sensitivity to temperature, humidity and vibrations; and its specific power connections. By late 1981 we will have five pieces of mensuration equipment weighing a total of approximately 19,000 pounds in a 900 square foot room. The largest comparator--to be delivered in late 1981--weighs 13,000 pounds and sits on a 7- by 12-foot, 1,700-pound steel plate which transmits a load of 175 pounds per square foot. In addition, the comparators require a constant room temperature of 72° ± 1° and a relative humidity of 50% ± 5%. The environment will be provided by air handlers and heat exchangers within the room housing the comparators. The power requirements for the comparator and supporting equipment are outlined in Attachment 2. OIA's other comparators and imagery analysis equipment require 110-volt, 20-amp service. OIA's comparators do, however, require specific support equipment--vacuum pumps, compressed air, heat exchangers, humidifiers, and chilled water lines--some of which need 220-volt service. Also, the vacuum pumps are noisy and emit noxious fumes and must be located away from general work areas, but be accessible for monthly and emergency servicing. We do not expect the general type, number, weight and power requirements of our comparators to significantly change between late 1981 and FY 2000. 25X1

6. The room which houses OIA's mensuration equipment should have an air lock in order to maintain the cleanroom environment. Also, experience has shown that the comparator room must be located in the immediate vicinity of the analysts' work areas to maximize equipment utilization. 25X1

7. OIA will continue to require a modest internal photo lab to meet its needs for rapid creation of photographic products. This lab would continue to be essentially a one-man shop, but will require water and venting of chemical fumes. 25X1

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8. OIA's current consumption of electric power is estimated to be 15 watts per square foot--2.5 times that of average office use. Not only does the analytical equipment consume considerable power, but so do the temperature and humidity controls required to maintain proper equipment operation of all analytical equipment. [redacted] 25X1

9. Questions regarding this memo may be directed to [redacted] 25X1
25X1 on extension [redacted]

[redacted] 25X1

Chief, Technical Staff
Office of Imagery Analysis

Attachments:
a/s

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